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T Kohonen - 2001 - [books.google.com](#)

... of the point density of the codebook vectors using ... 10.3.1 Zero-Order Topology (Classical VQ) Results ... that underlies one of the very recent neural-network algo ...

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... using instead the Euclidean distance and "Mahalanobis distance" between ... of sample data using the code-book density ... Table 3. Number of neurons for each layer ...

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... In the basic SOM algorithm, the topology and the number of neurons remain fixed. ...

Each neuron is associated with a codebook entry [Click to view the MathML ...](#)

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... are sometimes called Feature or Topology Preserving Maps ... given to it by the neural network literature. ... the Tanimoto measure and the Mahalanobis distance, the ...

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... for the SOM and K-means defined set of codebook vectors. The Mahalanobis distance is calculated between the input vector x ... associated with i th output neuron. ...

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A Bartkowiak, A Szustalewicz, S Cebrat, P ... - [Biometrical Letters](#), 2003 - [ii.uni.wroc.pl](#)

... performs a kind of clustering with preserving the topology of the ... 3. Robust Mahalanobis distances put against ordinary Mahalanobis distances ... 'codebook vectors ...

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A Naffel, S Khalid - [Proceedings of the Fourth IEEE International Conference on ...](#), 2006 -

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... classification is based on the Mahalanobis distance between ... i associated with i th output neuron/cluster centre. ... The codebook vectors are then learnt using the ...

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 V Hietanen - automationit.hut.fi
 ... Mahalanobis distance between x and v is defined as: ... 3. Find the neuron with the closest
 prototype vector $c \in$ 4. Update the codebook vectors of all neurons ...
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 Z Li, JR Eastman - ucgis.org
 ... the most (also known as the codebook labeling phase ... b) SOM Commitment; (c) Mahalanobis
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